

ABSTRACT OF THE DISCLOSURE

Apparatus and methods are provided for actuation of downhole tools. In
5 one example, a deep set safety valve uses a magnetic coupling which permits a
portion of the safety valve at control line pressure to be isolated from tubing
string internal pressure, without requiring the use of a dynamic seal
therebetween. A piston of the safety valve may be displaced in response to a
differential between control line pressure and pressure in an annulus
10 surrounding the tubing string, pressure in another control line, or pressure in the
tubing string. Other types of well tools may benefit from actuation using
principles of the invention.